

FIGURE 1

Clinical and pathological characteristics of breast tissues

		·	Carcinoma	าล	
		Total	in situ	Grade 2	Grade 3
Pin1 Positive ₹±SD	0/10† 0.114±0.106	38/51 (75%) 1.072±0.719	1/4 (25%) 0.564±0.948	20/28 (71%) 0.924±0.609	17/19 (89%) 1.399±0.717
Cyclin D1	0/10	24/51 (47%)	2/4 (50%)	10/28 (36%)	12/19 (63%)
HER2/neu	0/10	8/51 (16%)	0/4 (0%)	4/28 (14%)	4/19 (21%)
Estrogen receptor	N.D.*	34/50¶ (68%)	3/4 (75%)	20/28 (71%)	11/18 (61%)
Age Median (Range)	57 (22-91)	65 (28-90)	72 (43-80)	65 (31-90)	60 (28-78)

FIGURE 2

Correlation of the Pin1 level with clinical and pathological characteristics

		Number of cases	Pin1 level (\(\overline{X} \pm SD)	P value
Normal Tumor		10 51	0.114 ± 0.106 1.072 ± 0.716	<0.0001*
Tumor Grade	Grade 2 Grade 3	28 19	0.924 ± 0.609 1.399 ± 0.717	0.02*
Cyclin D1†	Positive Negative	24 27	1.364 ± 0.715 0.824± 0.631	0.01*
HER2/neu†	Positive Negative	8 43	1.317± 0.732 1.027± 0.713	0.10
Estrogen† Receptor	Positive Negative	34 16	1.011± 0.718 1.238± 0.720	0.32

Differentially expressed genes in Pin1-overexpressed MCF-7 cells

<up-regulated genes=""></up-regulated>	<down-regulated genes=""></down-regulated>
5-aminolevulinate synthase CD97 BIP/GRP78 PPAR-delta SRY(sex-determining region Y)-box 22 (SOX22) IFN-inducible gamma 2 protein Fibronection Stress inducible phospho protein 1 (STIMP1) Phosphoenolpyruvate carboxykinase1(PCK1) C-Myc Profilin Unknown NO81 EST No20-2 Cyclin D1	Serine/threonine protein kinase sgk Alpha 2 actinin Tu translation elongation factor (p43) Platelet-activating factor acetylhydrolase Ib gamma Eukaryotic translation initiation factor 4E biding protein 1
#genes underlined are wnt/beta-catenin/Tcf-4-target gene	

FIGURE 4

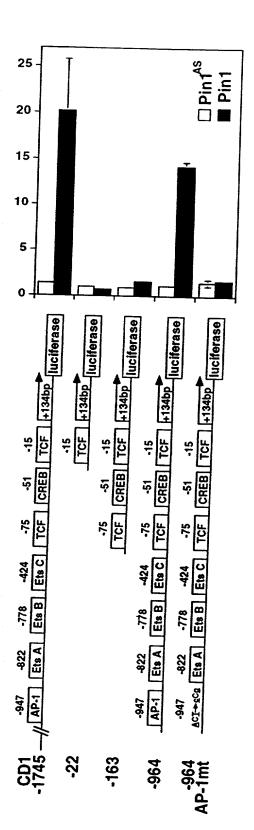


FIGURE 5

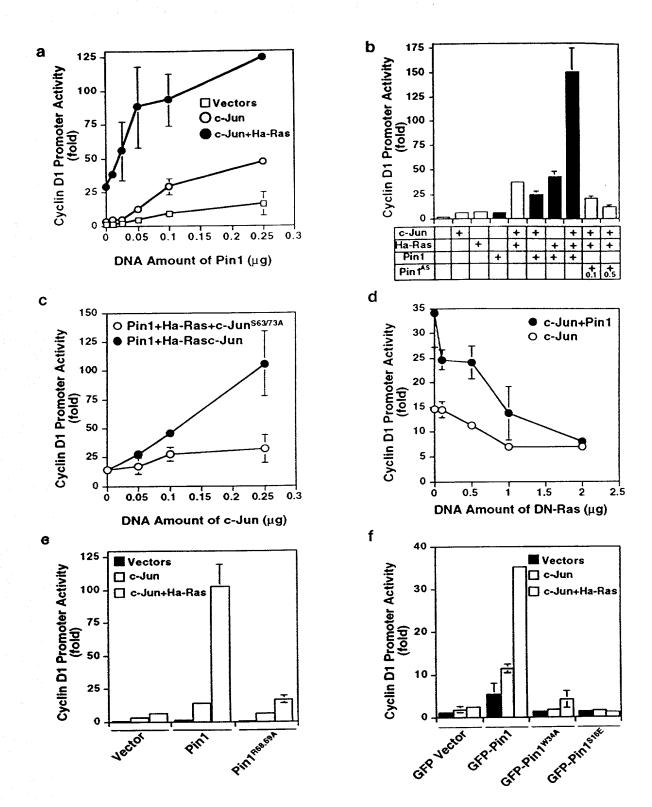


FIGURE 6

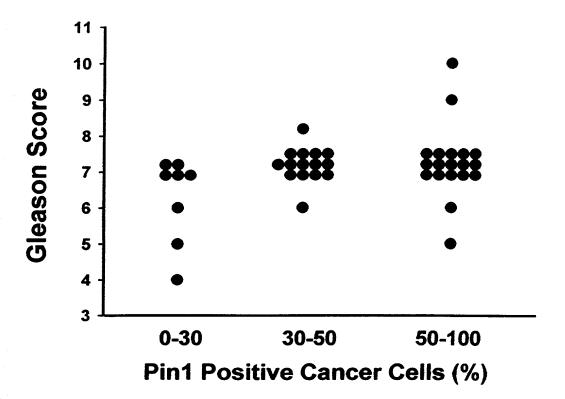


Figure 7